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Sheet 1 of 5

Form PTO-1449  
(Reproduced)**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

Docket Number (Optional)

CH2756 DIV

Application Number

09/795,933

Applicant

JAMES M. HOWELL ET AL.

Filing Date

FEBRUARY 28, 2001

Group Art Unit

1774

**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,350,871	11/07/67	Pierce et al.	57	140	
	3,681,188	08/01/72	M. E. Harris	161	173	
	3,816,486	06/11/74	O. R. Vail	260	75 R	
	3,584,103	06/08/71	M. E. Harris	264	168	
	4,475,330	10/09/84	Kimura et al.	57	245	
	5,340,909	08/23/94	Doerr et al.	528	276	
	5,645,782	07/08/97	Howell et al.	264	103	
	5,782,935	07/21/98	Hirt et al.	8	512	
	5,885,909	03/23/99	Rudisill et al.	442	82	
	6,023,926	02/15/00	W. J. Flynn	57	210	
	6,033,777	03/07/00	W. Best	428	364	

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES	NO
0 049 412	04/10/85	EP				
0 745 711 A1	12/04/96	EP				
1 016 741 A1	07/05/00	EP				
1,075,689	07/12/67	Great Britain				
1,165,312	09/24/69	Great Britain				

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	H. L. Traub, "Synthese und textilchemische Eigenschaften des Poly-Trimethyleneterephthalats", <i>Dissertation Universität Stuttgart</i> , (1994) (English Translation)
	Katsuhiko et al., "Elastic Moduli of Poly(trimethylene terephthalate) in the Crystalline Region", <i>Zairyo (Material)</i> , 35, No. 396, 106-110, (1986)
	W. Oppermann et al., "Fibers Made of Poly(trimethylene terephthalate)", <i>Dornbirn</i> , (1995)

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Form PTO-1449 (Reproduced)				Docket Number (Optional) <b>CH2756 DIV</b>		Application Number <b>09/795,933</b>	
<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>				Applicant <b>JAMES M. HOWELL ET AL.</b>			
				Filing Date <b>FEBRUARY 28, 2001</b>		Group Art Unit <b>1774</b>	

  

U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,584,103	5-1-69	Harris	264	168	
	3,671,379	3-9-71	Evans et al.	161	173	
	5,250,245	2-10-93	Collins et al.	264	103	
	6,109,015	7-7-98	Roark et al.	57	290	
	3,984,600	10/76	Kawase et al.	428	364	
	5,662,980	9/97	Howell et al.	428	97	
	5,968,640	10/99	Aneja	428	364	
	6,071,612	6/2000	Roderiquez et al.	428	364	
	4,475,300	10/84	Kimura et al.	428	364	

  

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
	1,254,826	11/24/71	Great Britain				
	1,408,094	10/01/75	Great Britain				
	5-71013	03/23/93	Japan			X	
	11-12824	01/19/99	Japan			X	
	11-93026	04/06/99	Japan			X	

  

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
	H. L. Traub et al., "Mechanical Properties of Fibers Made of Polytrimethylene Terephthalate", <i>Chemical Fibers International (CFI)</i> , 45, 110-111, (1995)
	H. L. Traub, "Dyeing Properties of Poly(Trimethylene Terephthalate) Fibres, <i>Melliand</i> , (1995)
	Degussa Trade Literature (Estimated 1994),

  

EXAMINER	DATE CONSIDERED
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## INFORMATION DISCLOSURE CITATION IN AN APPLICATION

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Application Number

09/795,933

Applicant

JAMES M. HOWELL ET AL.

Filing Date

FEBRUARY 28, 2001

Group Art Unit

1774

### U. S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,066,714	5/23/00	Putzig	528	279	CIP of USSN 09/062,463, 4/17/98

### FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
	11-93031	04/06/99	Japan			X	
	11-93049	04/06/99	Japan			X	
	11-100721	04/13/00	Japan			X	
	11-107036	04/20/99	Japan			X	
	11-107038	04/20/99	Japan			X	
	11-107081	04/20/99	Japan			X	
	11-107154	04/20/99	Japan			X	
	11-172526	06/29/99	Japan			X	
	11-181626	07/06/99	Japan			X	
	11-181650	07/06/99	Japan			X	
	11-189920	07/13/99	Japan			X	
	11-200143	07/27/99	Japan			X	
	11-200175	07/27/99	Japan			X	
	11-229276	08/24/99	Japan			X	
	98/23662	06/04/98	WIPO				

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	U.S. Patent Application No. 09/062, 463, filed 04/17/98 (Docket# CH2635)
	U.S. Patent Application No. 09/273,288, filed 3/19/99 (Docket# CL1283)
	U.S. Patent Application No. 09/708,209, filed 08/11/00 (Docket# RD7850 non-provisional)
	U.S. Patent Application No. 60/165,373, filed 11/12/99 (Docket# RD7850 PROVISIONAL)
	U.S. Patent Application No. 09/500,340, filed 02/08/00 (Docket# RD7160)
	U.S. Patent Application No. 09/501,700, filed 02/11/00 (Docket# RD7590)

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		Applicant <b>JAMES M. HOWELL ET AL.</b>			
		Filing Date <b>FEBRUARY 28, 2001</b>		Group Art Unit <b>1774</b>	

  

U. S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

  

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO
	98/27168	06/25/98	WIPO				
	99-11709	03/11/99	WIPO			X	
	99-11845	03/11/99	WIPO			X	
	99/39041	01/28/99	WIPO			X	
	00/22210	04/20/00	WIPO			X	
	2000-26301	05/11/00	WIPO			X	
	00/29653	05/25/00	WIPO			X	

  

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
	U.S. Patent Application No. 09/502,641, filed 02/11/00 (Docket# RD7605)
	U.S. Patent Application No. 09/503,599, filed 02/11/00 (Docket# RD7585)
	U.S. Patent Application No. 09/505,789, filed 02/17/00 (Docket# CL1400)
	U.S. Patent Application No. 09/518,759, filed 03/03/00 (Docket# DP6535)
	U.S. Patent Application No. 09/795,518, filed 02/28/01 (Docket# DP6535 CIP)
	U.S. Patent Application No. 09/795,520, filed 02/28/01 (Docket# DP6535 CIP1)
	U.S. Patent Application No. 09/587,886, filed 06/06/00 (Docket# AD6617)

  

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>				Applicant <b>JAMES M. HOWELL ET AL.</b>		
Filing Date <b>FEBRUARY 28, 2001</b>				Group Art Unit <b>1774</b>		
<b>U. S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES      NO
	8-232117	2-23-95	Japan			X
	8-311177	5-16-95	Japan			X
	9-78373	9-7-95	Japan			X
	11-93036	9-12-97	Japan			X
	11-93037	9-12-97	Japan			X
	11-93038	9-19-97	Japan			X
	11-107081	10-2-97	Japan			X
	11-172536	9-9-98	Japan			X
	52-8123	7-3-75	Japan			X
	52-8124	7-5-75	Japan			X
	56-200227	12-14-81	Japan			X
	57-193534	4-28-81	Japan			X
	58-104216	12-14-81	Japan			X
	1996-067992	12-19-96	Korea			X
	WO 00/39374	12-27-99	WIPO			X
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>						
EXAMINER			DATE CONSIDERED			
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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	1	of	2
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**Complete if Known**

Application Number	09/795,933
Filing Date	FEBRUARY 28, 2001
First Named Inventor	JAMES M. HOWELL
Group Art Unit	1774
Examiner Name	EDWARDS (PARENT)
Attorney Docket Number	CH-2756DIV

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date  
Considered

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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/795,933
		Filing Date	FEBRUARY 28, 2001
		First Named Inventor	JAMES M. HOWELL
		Group Art Unit	1774
		Examiner Name	EDWARDS (PARENT)
		Attorney Docket Number	CH-2756DIV
Sheet	2	of	2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		International Search Report dated August 13, 2001 from counterpart PCT/US01/06565	
		Patent Abstracts of Japan - JP 2001 - 020136 (from Japanese Patent Office Web Site)	
		European Patent Office XP-002172707 - Abstract of WO 01/104393	

Examiner Signature		Date Considered	
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Application Number	09/795,933
Filing Date	February 28, 2001
First Named Inventor	James M. Howell, et al.
Group Art Unit	1774
Examiner Name	Edwards (Parent)
Attorney Docket Number	CH-2756 US DIV

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Sheet	1	of	1
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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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